

1 **Listing of the Claims**

2 **In the Claims:**

3 The claims have not been amended, but are presented below for the convenience of the
4 Examiner.

5
6 1. (Original) A method for automatically delivering electronic content related to text
7 appearing in a display, comprising the steps of:

8 (a) detecting a cursor location within a target window in which the text is
9 displayed;

10 (b) causing a target process associated with the target window to re-render the text
11 to the target window in an update region that includes the cursor location;

12 (c) determining a primary word that occurs at the cursor location from the
13 re-rendered text;

14 (d) searching a first electronic data store for content related to the primary word; and

15 (e) displaying a result of the search in a semitransparent window that is
16 persistently visible and that enables content displayed underlying the result to be visible.
17

18 2. (Previously Presented) The method of Claim 1, wherein the step of detecting the cursor
19 location comprises one of the steps of:

20 (a) receiving only a single cursor move message from a pointing device that
21 controls the cursor location within a predetermined hover time, indicating that the cursor has
22 remained stationary for at least the predetermined hover time, said cursor move message including a
23 coordinate identifying the cursor location; and
24

25 (b) receiving a pointer device click message indicating that a predetermined
26 pointer button was activated while a predetermined key of the user input device is depressed, wherein
27 the pointer click message includes a coordinate identifying the cursor location on the display.

28 3. (Original) The method of Claim 1, wherein the step of causing the target process
29 associated with the target window to re-render text to the target window in the update region that
30 includes the cursor location, comprises the steps of:

1 (a) inserting machine instructions into a memory space of the target process; and
2 (b) executing the machine instructions, causing:
3 (i) hooking a text-out module;
4 (ii) invalidating the update region, wherein the update region is defined as
5 a function of the cursor location;
6 (iii) executing the text-out module to re-render the text to the update region;
7 and
8 (iv) copying the text from the text-out module while the text-out module is
9 re-rendering the text to the update region.

10 4. (Original) The method of Claim 1, wherein the step of determining the primary word that
11 occurs at the cursor location, from the re-rendered text, comprises the steps of:

12 (a) determining a character that is closest to the cursor location, from the
13 re-rendered text;
14 (b) detecting a first termination point that occurs before the character, wherein the
15 first termination point indicates the beginning of the primary word;
16 (c) detecting a second termination point that occurs after the character, wherein
17 the second termination point indicates the end of the primary word; and
18 (d) identifying the primary word as a set of characters between the first
19 termination point and the second termination point.

20 5. (Original) The method of Claim 1, wherein the step of searching the first electronic data
21 store for content related to the primary word, comprises one of the steps of:

22 (a) searching a local electronic data store for content related to the primary word;
23 and
24 (b) searching a remote electronic data store for content related to the primary
25 word.

26 6. (Original) The method of Claim 1, wherein the step of displaying the result of the search
27 in the semitransparent window, comprises the steps of:

28 (a) automatically providing the semitransparent window at a defined location in
29 the display, said semitransparent window being sized to overlay only a portion of the display;
30

1 (b) displaying at least a portion of the result of the search in the semitransparent
2 window; and

3 (c) enabling a user to obtain additional content related to the primary word by
4 selecting an option in the semitransparent window.

5 7. (Original) The method of Claim 1, further comprising the step of determining a context
6 word associated with the primary word.

7 8. (Original) The method of Claim 7, wherein the step of determining the context word
8 comprises one of the steps of:

9 (a) determining the context word from the re-rendered text; and

10 (b) determining the context word from a characteristic of text being processed by
11 the target process.

12 9. (Original) The method of Claim 7, wherein the step of searching the first electronic data
13 store for content related to the primary word, comprises the steps of:

14 (a) searching the first electronic data store based on a combination of the primary
15 word and the context word; and if no content was found based on the combination of the primary
16 word and the context word,

17 (b) searching the first electronic data store based on the primary word.

18 10. (Original) The method of Claim 1, further comprising the step of displaying an alternate
19 word that is spelled similar to the primary word in the result if no content was found based on the
20 primary word.

21 11. (Original) The method of Claim 1, further comprising the steps of:

22 (a) searching an additional electronic data store for additional content related to
23 the primary word; and

24 (b) enabling a user to selectively view the additional content in the result.

25 12. (Original) The method of Claim 1, further comprising the steps of:

26 (a) enabling a user to selectively indicate that an additional electronic data store is
27 to be searched prior to the first electronic data store, thereby indicating a priority of information
28 desired by the user;

29 ///

30 ///

1 (b) searching the additional electronic data store for additional content related to
2 the primary word prior to searching the first electronic data store; and if additional content is found;
3 and

4 (c) displaying at least a portion of the additional content of the search of the
5 additional electronic data store in the semitransparent window prior to displaying the result of the
6 search of the first electronic data store.

7 13. (Original) The method of Claim 1, further comprising the step of maintaining a focus on
8 an active window so that the user need not return the focus from the semitransparent window, to the
9 active window after a result is displayed.

10 14. (Original) A machine-readable medium having machine instructions for performing the
11 steps of Claim 1.

12 15. (Original) A system for automatically delivering electronic content related to text
13 appearing in a display, comprising:

14 (a) a processor;

15 (b) a display in communication with the processor, said display displaying a cursor
16 location and a target window that includes text;

17 (c) a pointing device adapted to be controlled by a user and coupled in
18 communication with the processor, said pointing device producing a signal indicating the cursor
19 location on the display;

20 (d) a user input device having at least one key, said user input device being
21 coupled in communication with the processor; and

22 (e) a memory in communication with the processor and storing machine
23 instructions that cause the processor to:

24 (i) detect the cursor location indicated by the signal produced by the
25 pointing device on the display device;

26 (ii) cause a target process associated with the target window to re-render
27 the text to the target window in an update region of the display that includes the cursor location
28 disposed proximate to the text being re-rendered;

29 (iii) determine from the re-rendered text a primary word that is disposed
30 proximate to the cursor location;

1 (iv) search a first electronic data store for content related to the primary
2 word; and

3 (v) display a result of the search in a semitransparent window that is
4 persistently visible and that enables content of the result to remain visible in the display.

5 16. (Original) The system of Claim 15, wherein the machine instructions further cause the
6 processor to do one of:

7 (a) receive only a single cursor move message from the pointing device within a
8 predetermined hover time, indicating that the cursor has remained stationary for at least the
9 predetermined hover time, said cursor move message including a coordinate identifying the cursor
10 location; and

11 (b) receive a pointer device click message indicating that a predetermined pointer
12 button was activated while a predetermined key of the user input device is depressed, wherein the
13 pointer click message includes a coordinate identifying the cursor location on the display.

14 17. (Original) The system of Claim 15, wherein the machine instructions further cause the
15 processor to:

16 (a) hook a text-out module included in an operating system executed by the
17 processor;

18 (b) invalidate the update region, wherein the update region is defined as a function
19 of the cursor location;

20 (c) execute the text-out module to re-render the text to the update region; and

21 (d) copy the text from the text-out module while the text-out module is
22 re-rendering the text to the update region.

23 18. (Original) The system of Claim 15, wherein the machine instructions further cause the
24 processor to:

25 (a) determine a character that is closest to the cursor location from the re-rendered
26 text;

27 (b) detect a first termination point that occurs before the character, wherein the
28 first termination point indicates the beginning of the primary word;

29 (c) detect a second termination point that occurs after the character, wherein the
30 second termination point indicates the end of the primary word; and

1 (d) identify the primary word as comprising a set of characters between the first
2 termination point and the second termination point.

3 19. (Original) The system of Claim 15, wherein the machine instructions further cause the
4 processor to do one of:

5 (a) search a local electronic data store for content related to the primary word; and

6 (b) search a remote electronic data store for content related to the primary word.

7 20. (Original) The system of Claim 15, wherein the machine instructions further cause the
8 processor to:

9 (a) automatically provide the semitransparent window at a predefined location in
10 the display, said semitransparent window being sized to overlay only a portion of the display;

11 (b) display at least a portion of the result of the search in the semitransparent
12 window; and

13 (c) enable a user to selectively obtain additional content related to the primary
14 word by choosing an option provided in the semitransparent window.

15 21. (Original) The system of Claim 15, wherein the machine instructions further cause the
16 processor to determine a context word associated with the primary word.

17 22. (Original) The system of Claim 21, wherein the machine instructions further cause the
18 processor to do one of:

19 (a) determine the context word from the re-rendered text; and

20 (b) determine the context word from a characteristic of the text being processed by
21 the target process.

22 23. (Original) The system of Claim 21, wherein the machine instructions further cause the
23 processor to:

24 (a) search the first electronic data store based on a combination of the primary
25 word and the context word; and if no content was found based on the combination of the primary
26 word and the context word; and

27 (b) search the first electronic data store based on the primary word.

28 24. (Original) The system of Claim 15, wherein if no content was found based on the
29 primary word, the machine instructions further cause the processor to display an alternate word that is
30 spelled similarly to the primary word.

1 25. (Original) The system of Claim 15, wherein the machine instructions further cause the
2 processor to:

3 (a) search an additional electronic data store for additional content related to the
4 primary word; and

5 (b) enable a user to selectively view the additional content.

6 26. (Original) The system of Claim 15, wherein the machine instructions further cause the
7 processor to:

8 (a) enable a user to indicate that an additional electronic data store is to be
9 searched prior to the first electronic data store, thereby indicating a priority of information desired by
10 the user;

11 (b) search the additional electronic data store for additional content related to the
12 primary word prior to searching the first electronic data store; and

13 (c) if additional content is found, display at least a portion of the additional
14 content of the search of the additional electronic data store in the semitransparent window, prior to
15 displaying the result of the search of the first electronic data store.

16 27. (Original) The system of Claim 15, wherein the machine instructions further cause the
17 processor to maintain a focus on an active window so that a user need not return the focus from the
18 semitransparent window, to the active window after the result is displayed.

19 28. (Original) A method for capturing data displayed near a cursor location controlled with a
20 pointing device in an electronic display, comprising the steps of:

21 (a) hooking into an operating system output module that renders data to the
22 electronic display;

23 (b) invalidating an update region of the electronic display, wherein the update
24 region is defined as a function of the cursor location in the electronic display;

25 (c) forcing the operating system output module to re-render the data to the update
26 region of the electronic display; and

27 (d) copying the data from the operating system output module while the operating
28 system output module is re-rendering the data to the update region of the electronic display.

29 ///

30 ///

1 29. (Original) The method of Claim 28, wherein the step of hooking into the operating
2 system output module comprises the step of patching an .idata section associated with a target
3 process that controls the electronic display.

4 30. (Original) The method of Claim 28, wherein the step of forcing the operating system
5 output module to re-render the data to the update region comprises the step of invoking a redraw
6 application programming interface that instructs the operating system to issue a paint message to a
7 procedure for redrawing the electronic display, said paint message causing the procedure to execute
8 the operating system output module to redraw the update region of the electronic display window.

9 31. (Original) The method of Claim 28, wherein the step of copying the data from the
10 operating system output module while the operating system output module is re-rendering comprises
11 the steps of:

- 12 (a) mapping font glyphs to text if the data comprises font glyphs;
13 (b) mapping text coordinates to screen coordinates if the operating system output
14 module provides the data to a window device context; and
15 (c) saving the data if the operating system output module provides the data to a
16 memory device context.

17 32. (Original) A machine-readable medium having machine instructions for carrying out the
18 steps of Claim 28.

19 33. (Original) A system for capturing data displayed near a cursor location in an electronic
20 display, comprising:

- 21 (a) a processor;
22 (b) a display in communication with the processor, said display displaying a cursor
23 at a location in the display; and
24 (c) a memory in communication with the processor and storing machine
25 instructions that cause the processor to:
26 (i) hook into an operating system output module that renders data to the
27 electronic display;
28 (ii) invalidate an update region of the electronic display, wherein the
29 update region is defined as a function of the cursor location in the electronic display;

30 ///

1 (iii) force the operating system output module to re-render the data to the
2 update region of the electronic display; and

3 (iv) copy the data from the operating system output module while the
4 operating system output module is re-rendering the data to the update region of the electronic display.

5 34. (Original) The system of Claim 33, wherein the machine instructions further cause the
6 processor to patch an .idata section associated with a target process that controls the electronic
7 display.

8 35. (Original) The system of Claim 33, wherein the machine instructions further cause the
9 processor to invoke a redraw application programming interface that instructs the operating system to
10 immediately issue a paint message to a procedure of the electronic display, said paint message
11 causing the procedure to execute the operating system output module to redraw the update region of
12 the electronic display.

13 36. (Original) The system of Claim 33, wherein the machine instructions further cause the
14 processor to:

15 (a) map font glyphs to text if the data comprises font glyphs;

16 (b) map text coordinates to screen coordinates if the operating system output
17 module provides the data to a window device context; and

18 (c) save the data if the operating system output module provides the data to a memory
19 device context.
20
21
22
23
24
25
26
27
28
29
30